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(54) POROUS CARBIDE AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To obtain a porous carbide containing a fertilizer in a high concentration by decomposing and carbonizing a livestock waste consisting essentially of livestock dung or a mixture of dung and bedding.

CONSTITUTION: A livestock waste consisting essentially of livestock dung or a mixture of the livestock dung and bedding is decomposed and carbonized at $\geq 150^{\circ}$ C to provide the objective porous carbide forming a number of pores on the surface or the interior and containing a fertilizer content in the following composition: 1-8wt.% nitrogen (N) content, 2-20wt.% phosphorus (P₂O₅), 2-15wt.% potassium (K₂O) content, 0.5-5wt.% magnesium content and 3-30wt.% calcium (CaO) content.

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